Nexus 5 LCD Screen & Digitizer Assembly Replacement

This guide provides instructions on how to replace a cracked or damaged LCD screen and Digitizer Assembly for the Google Nexus 5.

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INTRODUCTION

This guide provides instructions on how to replace a cracked or damaged LCD screen and Digitizer Assembly for the Google Nexus 5.

TOOLS:

- SIM Card Eject Tool (1)
- iFixit Opening Tools (1)
- iFixit Opening Picks set of 6 (1)
- Phillips #00 Screwdriver (1)
- Spudger (1)
- Heat Gun (1)
- Heavy-Duty Suction Cups (Pair) (1)

PARTS:

- Nexus 5 LCD Screen and Digitizer (1)

Step 1 — SIM Card





- Insert a SIM card eject tool or a paper clip into the hole next to the SIM card slot, which is located just under the power button.
- Push the tool into the hole until you see the card pop out.

Step 2



- Gently remove the SIM card with your fingers, or a pair of tweezers if the SIM holder does not fully eject.
- Make sure the chip is facing the rear of the phone when reinserting the SIM card.

Step 3 — Back Cover







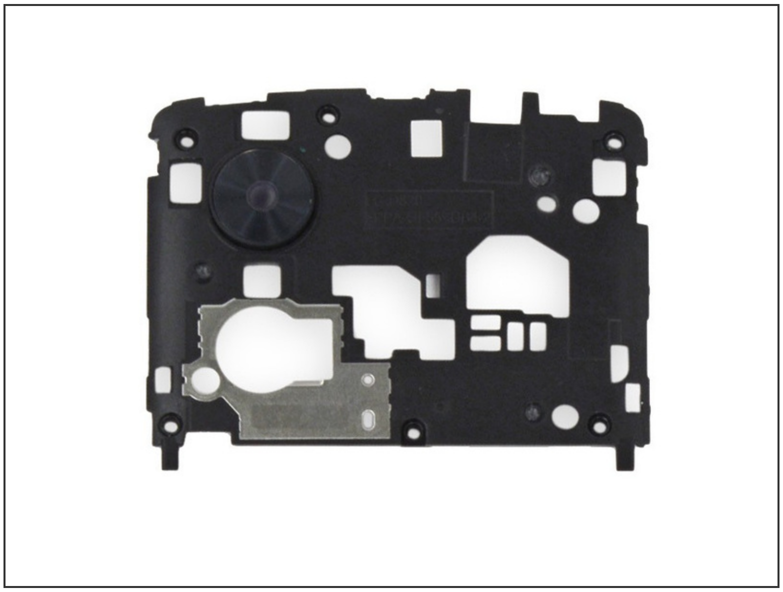
- Use a plastic opening tool to free the clips on the top and each side of the back cover.
- The bottom is secured with some adhesive foam. You should be able to finally free the back cover using an opening pick.
- It's best to avoid prying around the SIM card slot, as the plastic here is very thin and likely to break from prying.

Step 4 — Midframe



- Remove the six 4.0 mm Phillips #00 screws that secure the midframe to the phone.
- To replace the LCD screen and digitizer, remove the additional four 4.0mm daughterboard cover screws with the same screwdriver.

Step 5

- Remove the midframe from the phone.

Step 6 — Battery




- Use the flat end of a nylon spudger to disconnect the battery connector.

Step 7

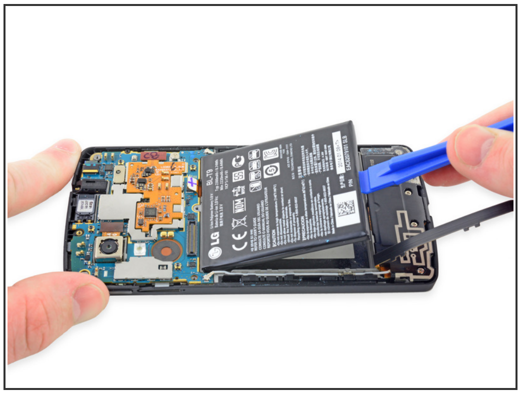




- Use the flat end of a spudger to disconnect the daughterboard ribbon cable and pull it away from the battery.

Step 8





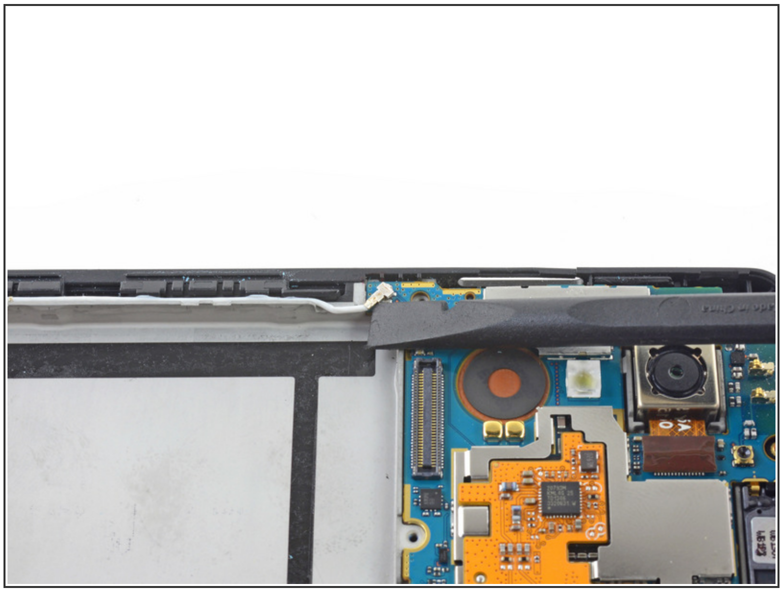


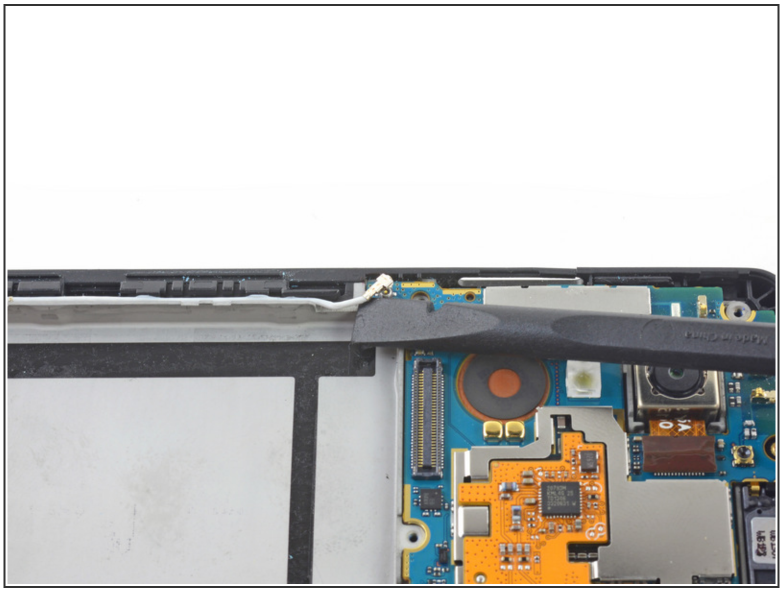
- Use a plastic opening tool to pry the battery out of its housing.

  You may need to use a heat gun to apply a small amount of heat to soften the adhesive below the battery.

  Do not puncture or bend the battery.

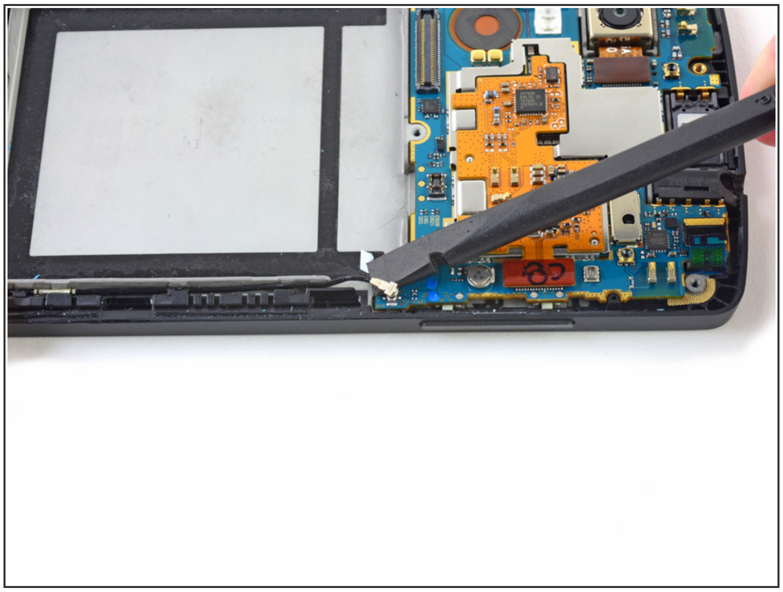
Step 9 — Motherboard

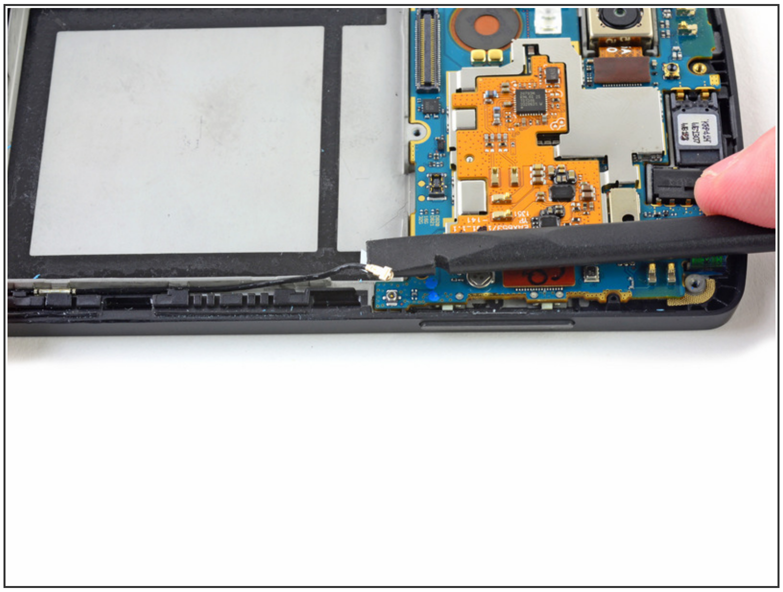




- Use the flat end of a spudger to disconnect the left antenna cable.

Step 10

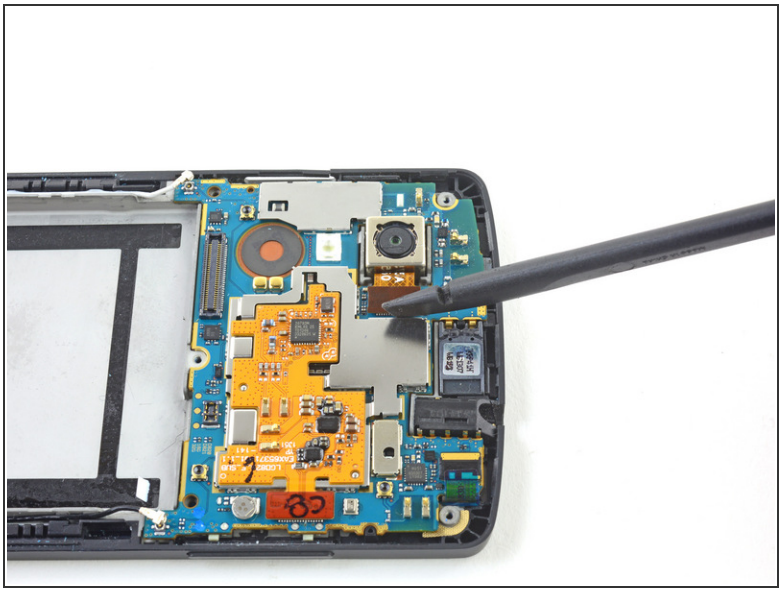


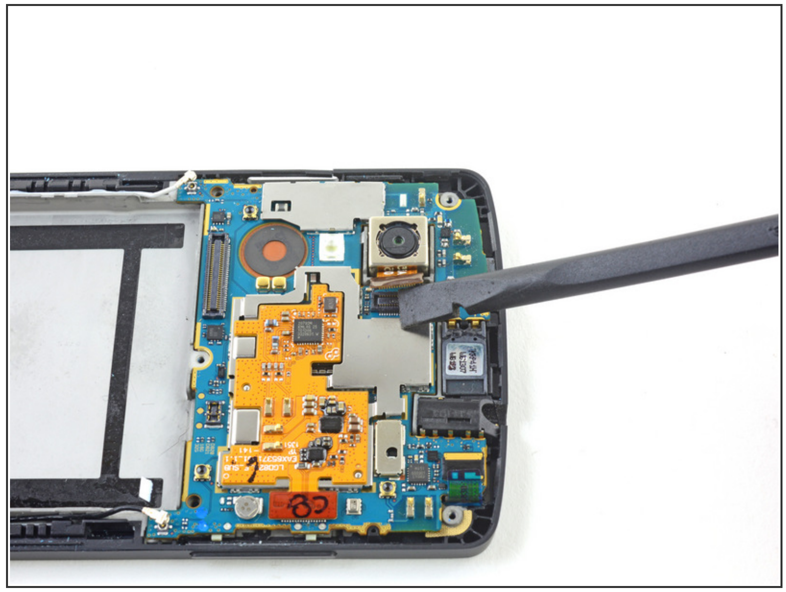


- Use the flat end of a spudger to disconnect the right antenna cable.

These must be firmly secured during reassembly. Failure to secure the antenna connections will affect your reception and call quality.

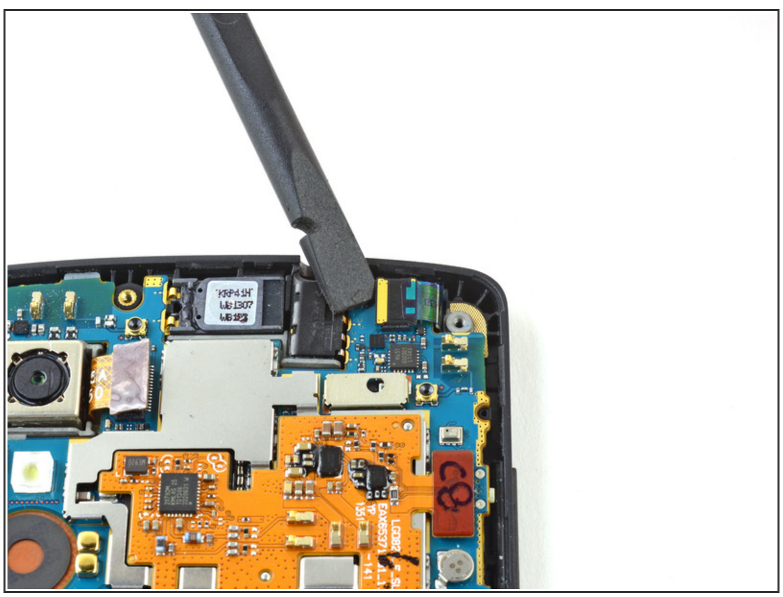
Step 11

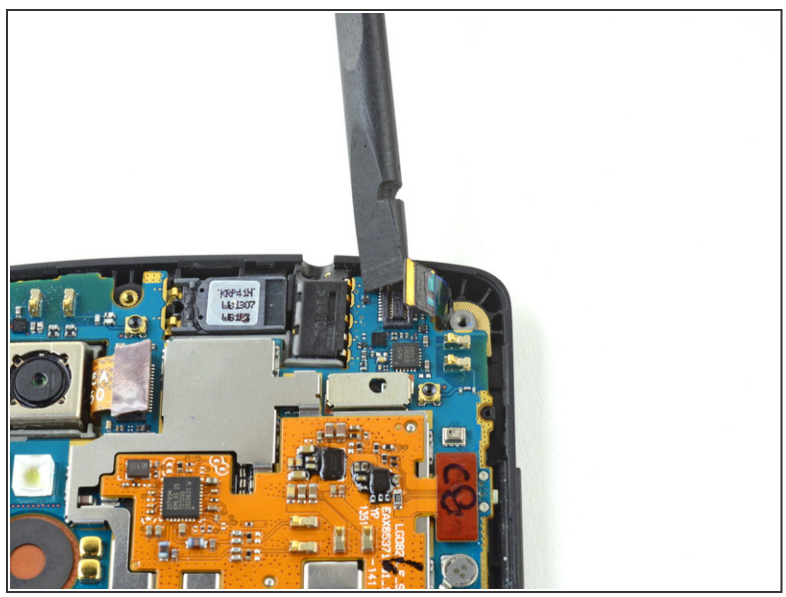




- Use the flat end of a spudger to disconnect the ribbon cable that connects rear-facing camera to the motherboard.

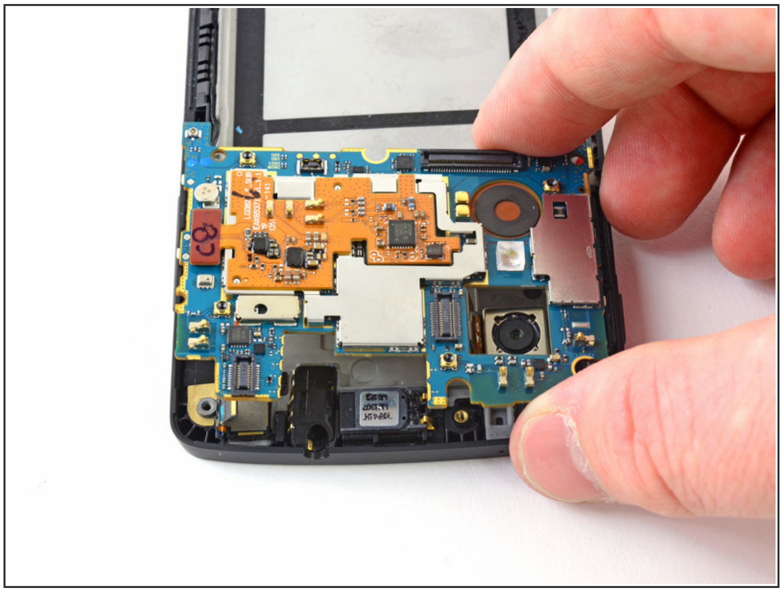
Step 12





- Use the flat end of a spudger to disconnect the front camera ribbon cable.

Step 13



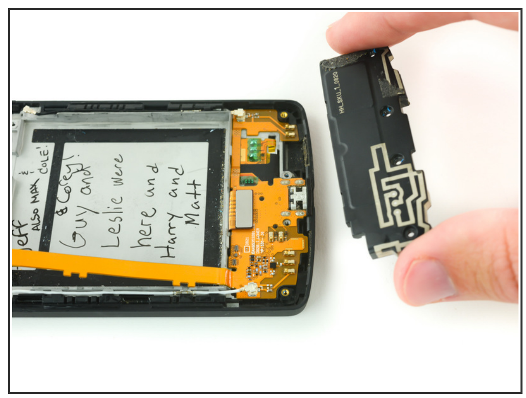


- Gently lift the motherboard up and out of the device.

Step 14 — LCD Screen & Digitizer Assembly



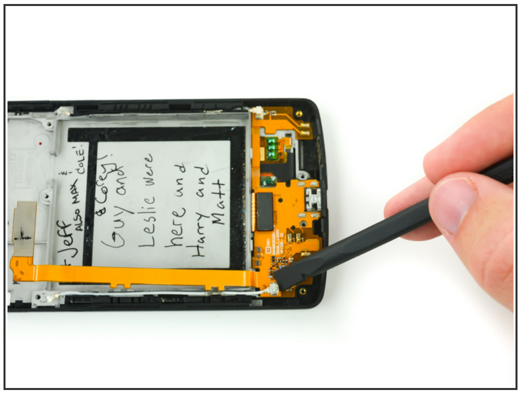
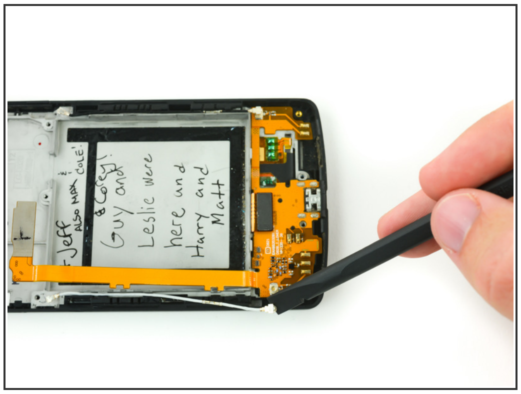
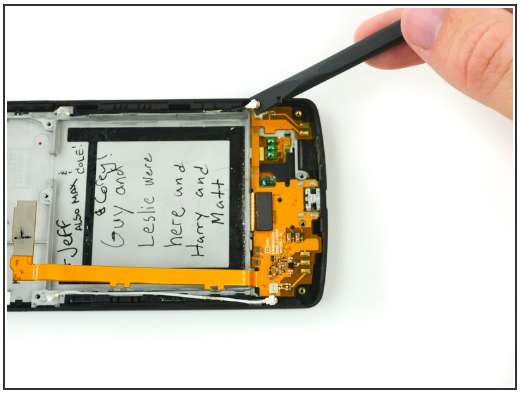




- Insert a spudger into an opening between the daughterboard and plastic housing.
- Lift the daughterboard cover up and off the frame.

ⓘ If Jeff, Max, Cole, Corey, Guy, Leslie, Harry, or Matt were already here, consider searching your device for surveillance bugs.

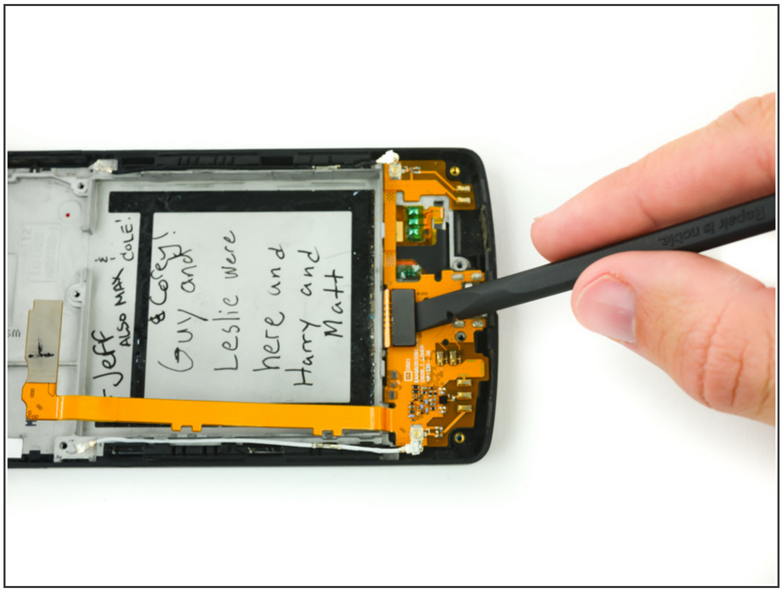
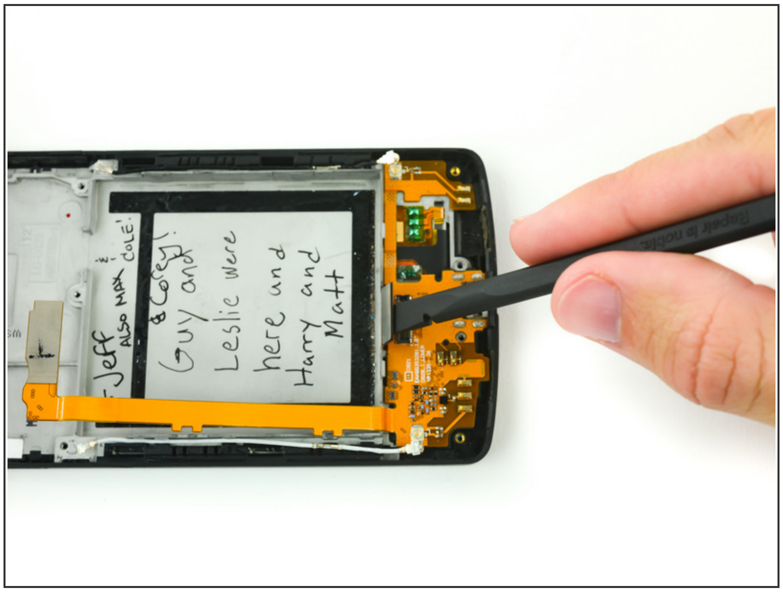
Step 15

- Use the flat end of a nylon spudger to pry the white and black antenna connectors up off the daughterboard.

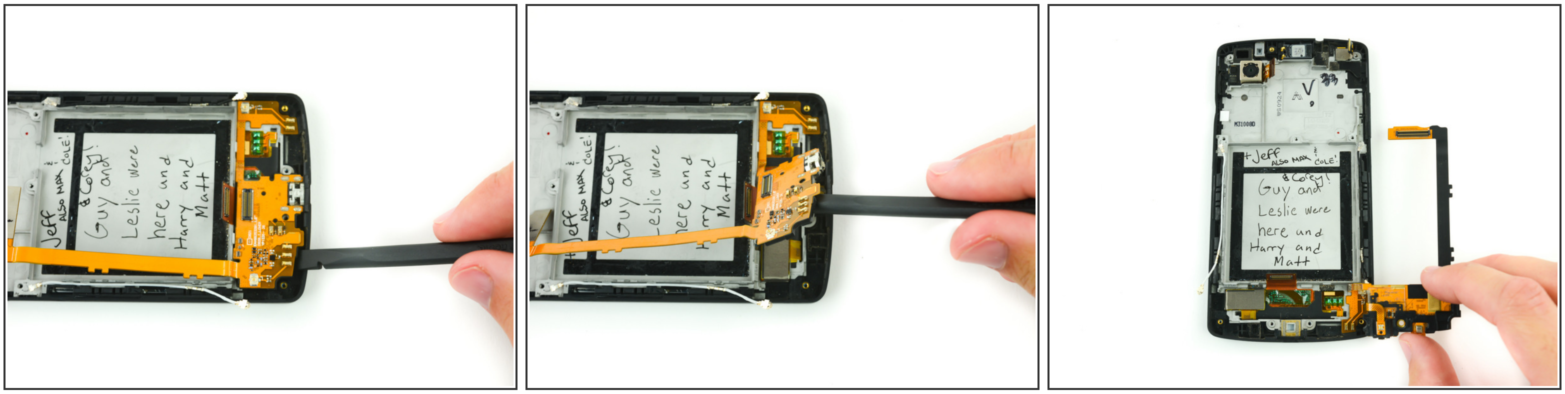
These must be firmly secured during reassembly. Failure to secure the antenna connections will affect your reception and call quality.

Step 16

- Use the flat end of a nylon spudger to pry the digitizer ZIF connector up off the daughterboard.

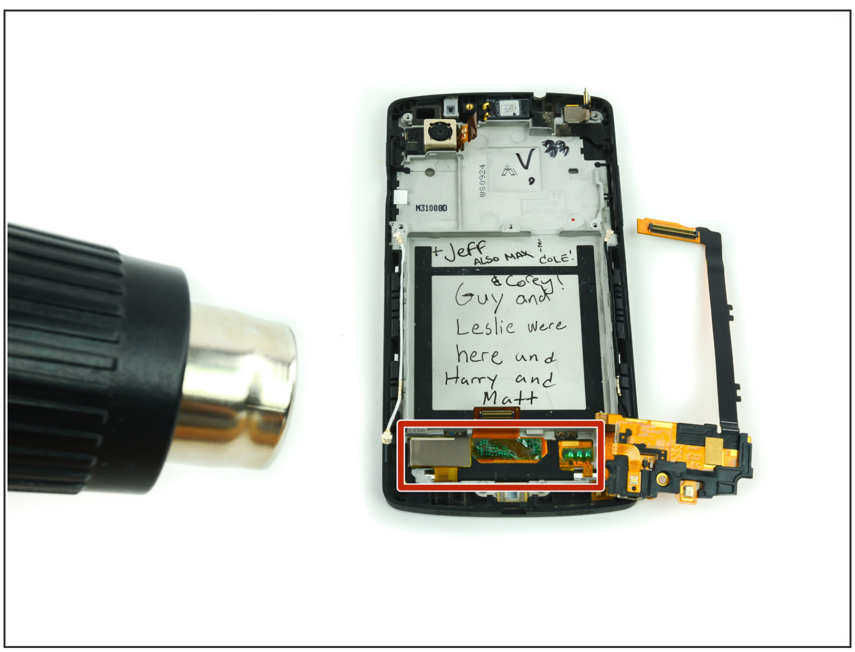
Step 17



- Insert a nylon spudger into an opening beneath the daughterboard and pry it up to free it from the frame.
  - ⚠ The frame around the micro-USB port is very fragile—take care not to break this small plastic bridge.

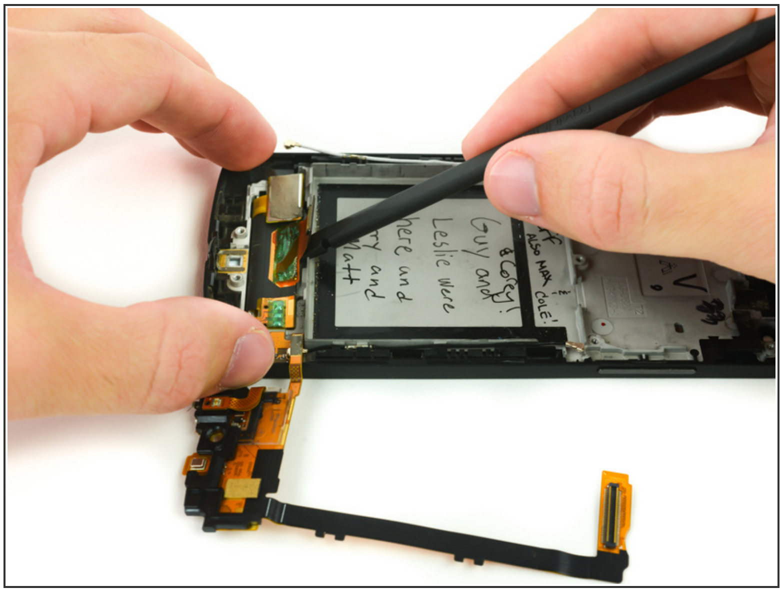
ⓘ Do not disconnect the daughterboard entirely. Gently fold it to the side of the phone.

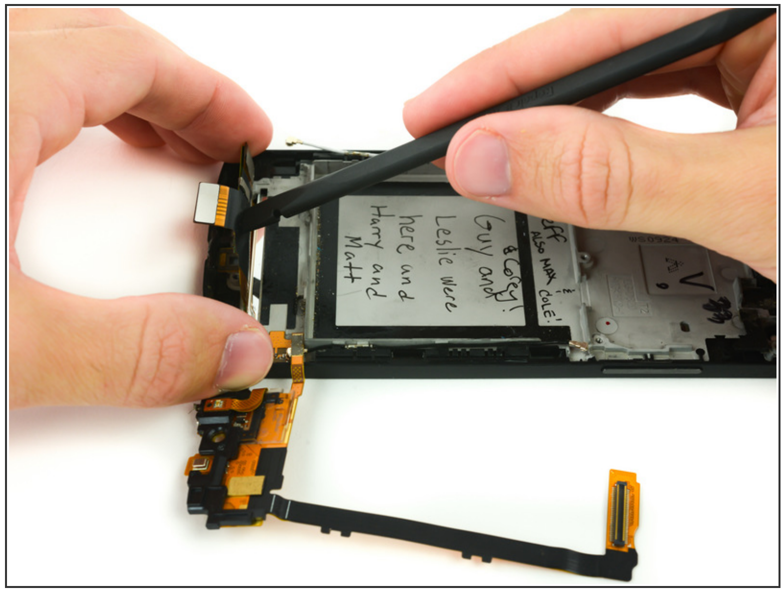
Step 18



- Use a heat gun and carefully apply heat to the digitizer panel to soften the adhesive that secures it to the frame.
  - ⓘ Hold the heat gun approximately 8-10 inches from the device and apply heat in a gentle back-and-forth motion.

Step 19





- Work the flat end of a nylon spudger under the digitizer panel. Gently pry the panel up to free it from the adhesive.

  ⚠ The phone may be hot to the touch from the heat gun. Allow a moment for it to cool to avoid burning your fingers.

Step 20





- Use a heat gun or an iOpener to soften the adhesive along the edges of the screen.

Step 21

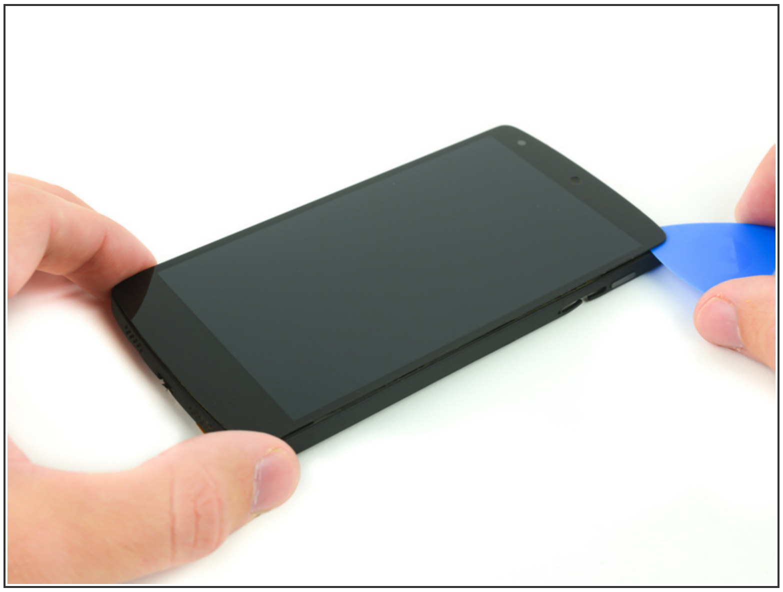




- Use a heavy duty suction cup and firmly pull the screen away from the frame entirely, or enough to create a small gap.

ⓘ The Nexus 5 has a very thin layer of adhesive. This should not require excessive force. Apply additional heat as needed to soften the screen adhesive.

Step 22





- Insert an opening pick in the gap between the screen and the frame.
- Work the opening pick along the edges of the screen to break any remaining adhesive and free the screen assembly.

Step 23







- Gently remove the LCD screen and digitizer assembly.
  - ⚠ Carefully feed the digitizer ribbon cable through the frame.

To reassemble your device, follow these instructions in reverse order.

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